WHAT IS CLAIMED IS:

1. An exoprotein inhibitor for inhibiting the production of exoproteins from Gram positive bacteria in and around the vagina comprising a non-absorbent substrate for insertion into a vagina being selected from the group consisting of a non-absorbent incontinence device, a barrier birth control device, a tampon applicator, and a douche, the non-absorbent substrate having deposited thereon an effective amount of a first active ingredient having the general formula:

$$\mathbb{R}^4$$
 \mathbb{R}^1
 \mathbb{R}^3
 \mathbb{R}^2

wherein R^1 is $-OR^6OH$; R^6 is a divalent saturated or unsaturated aliphatic hydrocarbyl moiety; R^2 , R^3 , and R^4 are independently selected from the group consisting of H, OH, COOH, and $-C(O)R^9$; R^9 is hydrogen or a monovalent saturated or unsaturated aliphatic hydrocarbyl moiety, wherein the first active ingredient is effective in inhibiting the production of exoprotein from Gram positive bacteria.

- 2. The exoprotein inhibitor as set forth in claim 1 wherein \mathbb{R}^6 is a divalent saturated or unsaturated aliphatic hydrocarbyl moiety having from 1 to about 15 carbon atoms.
- 3. The exoprotein inhibitor as set forth in claim 2 wherein R^6 is a divalent saturated or unsaturated aliphatic hydrocarbyl moiety having from 1 to about 10 carbon atoms.

- 4. The exoprotein inhibitor as set forth in claim 2 wherein R^6 is a divalent saturated or unsaturated aliphatic hydrocarbyl moiety having from 1 to about 6 carbon atoms.
- 5. The exoprotein inhibitor as set forth in claim 1 wherein ${\bf R}^2$ is OH and ${\bf R}^3$ is COOH.
- 6. The exoprotein inhibitor as set forth in claim 1 wherein the first active ingredient is phenoxyethanol.
- 7. The exoprotein inhibitor as set forth in claim 1 wherein the first active ingredient is present in an amount of at least about 0.01 micromoles per gram of non-absorbent substrate.
- 8. The exoprotein inhibitor as set forth in claim 1 wherein the first active ingredient is present in an amount from about 0.5 micromoles per gram of non-absorbent substrate to about 100 micromoles per gram of non-absorbent substrate.
- 9. The exoprotein inhibitor as set forth in claim 1 wherein the first active ingredient is present in an amount from about 1.0 micromoles per gram of non-absorbent substrate to about 50 micromoles per gram of non-absorbent substrate.
- 10. The exoprotein inhibitor as set forth in claim 1 further comprising a pharmaceutically active material selected from the group consisting of antimicrobials, antioxidants, anti-parasitic agents, antipruritics, astringents, local anaesthetics and anti-inflammatory agents.
- 11. The exoprotein inhibitor as set forth in claim 1 further comprising an effective amount of a second active ingredient, said second active ingredient comprising a compound with an ether, ester, amide, glycosidic, or amine bond linking a C_8 - C_{18} fatty acid to an aliphatic alcohol

wherein the second active ingredient is effective in substantially inhibiting the production of exoprotein from Gram positive bacteria.

- 12. The exoprotein inhibitor as set forth in claim 11 wherein the C_8 - C_{18} fatty acid is linked to a polyalkoxylated sulfate salt.
- 13. The exoprotein inhibitor as set forth in claim 11 wherein the C_8 - C_{18} fatty acid is linked to a sulfosuccinic salt.
- 14. The exoprotein inhibitor as set forth in claim 1 further comprising an effective amount of a second active ingredient having the general formula:

$$R^{10}$$
— Q — R^{11}

wherein R¹⁰ is a straight or branched alkyl or straight or branched alkenyl having from 8 to about 18 carbon atoms and R¹¹ is selected from the group consisting of an alcohol, a polyalkoxylated sulfate salt and a polyalkoxylated sulfosuccinate salt wherein the second active ingredient is effective in substantially inhibiting the production of exoprotein from Gram positive bacteria.

- 15. The exoprotein inhibitor as set forth in claim 14 wherein \mathbb{R}^{10} is a straight or branched alkyl group.
- 16. The exoprotein inhibitor as set forth in claim 14 wherein R^{10} is a straight or branched alkenyl group.
- 17. The exoprotein inhibitor as set forth in claim 14 wherein \mathbb{R}^{10} is obtained from the group consisting of caprylic

acid, capric acid, lauric acid, myristic acid, palmitic acid and stearic acid.

- 18. The exoprotein inhibitor as set forth in claim 14 wherein \mathbb{R}^{11} is an aliphatic alcohol.
- 19. The exoprotein inhibitor as set forth in claim 18 wherein R^{11} is an aliphatic alcohol selected from the group consisting of glycerol, glycol, sucrose, glucose, sorbitol, and sorbitan.
- 20. The exoprotein inhibitor as set forth in claim 19 wherein R^{11} is a glycol selected from the group consisting of ethylene glycol, propylene glycol, polypropylene glycol, and combinations thereof.
- 21. The exoprotein inhibitor as set forth in claim 14 wherein the second active ingredient is selected from the group consisting of laureth-3, laureth-4, laureth-5, PPG-5 lauryl ether, 1-0-dodecyl-rac-glycerol, sodium laureth sulfate, potassium laureth sulfate, disodium laureth (3) sulfosuccinate, dipotassium laureth (3) sulfosuccinate and polyethylene oxide (2) sorbitol ether.
- 22. The exoprotein inhibitor as set forth in claim 14 wherein the second active ingredient is present in an amount of at least about 0.0001 millimoles per gram of non-absorbent substrate.
- 23. The exoprotein inhibitor as set forth in claim 14 wherein the second active ingredient is present in an amount of at least about 0.005 millimoles per gram of non-absorbent substrate.
- 24. The exoprotein inhibitor as set forth in claim 14 wherein the second active ingredient is present in an amount

from about 0.005 millimoles per gram of non-absorbent substrate to about 0.2 millimoles per gram of non-absorbent substrate.

- 25. The exoprotein inhibitor as set forth in claim 14 further comprising a pharmaceutically active material selected from the group consisting of antimicrobials, antioxidants, anti-parasitic agents, antipruritics, astringents, local anaesthetics and anti-inflammatory agents.
- 26. The exoprotein inhibitor as set forth in claim 1 further comprising an effective amount of a second active ingredient, the second active ingredient comprising an alkyl polyglycoside effective in substantially inhibiting the production of exoprotein from Gram positive bacteria.
- 27. The exoprotein inhibitor as set forth in claim 26 wherein the alkyl polyglycoside has an alkyl group having from about 8 to about 18 carbon atoms.
- 28. The exoprotein inhibitor as set forth in claim 27 wherein the alkyl group is a linear alkyl group.
- 29. The exoprotein inhibitor as set forth in claim 27 wherein the alkyl polyglycoside has an alkyl group having from about 8 to about 14 carbon atoms.
- 30. The exoprotein inhibitor as set forth in claim 26 wherein the alkyl polyglycoside has an HLB of 12 to 14.
- 31. The exoprotein inhibitor as set forth in claim 26 wherein the alkyl polyglycoside has an HLB of 10 to 15.
- 32. The exoprotein inhibitor as set forth in claim 26 wherein the alkyl polyglycoside has the general formula:

$$H$$
—— (Z_n) —— O — R^{14}

wherein Z is a saccharide residue having 5 or 6 carbon atoms, n is a whole number from 1 to 6, and R^{14} is a linear alkyl group having from about 8 to about 18 carbon atoms.

- 33. The exoprotein inhibitor as set forth in claim 32 wherein \mathbb{R}^{14} is a linear alkyl group having from about 8 to about 14 carbon atoms.
- 34. The exoprotein inhibitor as set forth in claim 32 wherein \mathbb{R}^{14} is a linear alkyl group having from about 8 to about 12 carbon atoms.
- 35. The exoprotein inhibitor as set forth in claim 26 wherein the second active ingredient is present in an amount of at least about 0.0001 millimoles per gram of non-absorbent substrate.
- 36. The exoprotein inhibitor as set forth in claim 26 wherein the second active ingredient is present in an amount of at least about 0.005 millimoles per gram of non-absorbent substrate.
- 37. The exoprotein inhibitor as set forth in claim 26 wherein the second active ingredient is present in an amount of at least about 0.005 millimoles per gram of non-absorbent substrate to about 2 millimoles per gram of non-absorbent substrate.
- 38. The exoprotein inhibitor as set forth in claim 26 wherein the alkyl polyglycoside is selected from the group consisting of Glucopon 220, Glucopon 225, Glucopon 425, Glucopon 600, Glucopon 625, and TL 2141.

39. The exoprotein inhibitor as set forth in claim 1 further comprising an effective amount of a second active ingredient selected from the group consisting of glycerol monolaurate and myreth-3-myristate wherein said active ingredient is effective in substantially inhibiting the production of exoprotein from Gram positive bacteria.

40. The exoprotein inhibitor as set forth in claim 1 further comprising an effective amount of a second active ingredient having the general formula:

$$R^{17} \xrightarrow{\text{CN}} R^{18}$$

wherein R¹⁷, inclusive of the carbonyl carbon, is an alkyl group having 8 to 18 carbon atoms, and R¹⁸ and R¹⁹ are independently selected from hydrogen or an alkyl group having from 1 to about 12 carbon atoms which may or may not be substituted with groups selected from ester groups, ether groups, amine groups, hydroxyl groups, carboxyl groups, carboxyl salts, sulfonate groups, sulfonate salts, and mixtures thereof wherein said second active ingredient is effective in substantially inhibiting the production of exoprotein from Gram positive bacteria.

- 41. The exoprotein inhibitor as set forth in claim 40 wherein R^{17} is derived from a saturated or unsaturated fatty acid.
- 42. The exoprotein inhibitor as set forth in claim 41 wherein R¹⁷ is derived from an acid selected from the group consisting of caprylic acid, capric acid, lauric acid, myristic acid, palmitic acid, and stearic acid.

- 43. The exoprotein inhibitor as set forth in claim 40 wherein the second active ingredient is selected from the group consisting of sodium lauryl sarcosinate, lauramide monoethanolamide, lauramide diethanolamide, lauramidopropyl dimethylamine, disodium lauramide monoethanolamide sulfosuccinate, and disodium lauroamphodiacetate.
- 44. The exoprotein inhibitor as set forth in claim 40 wherein the second active ingredient is present in an amount of at least about 0.0001 millimoles per gram of non-absorbent substrate.
- 45. The exoprotein inhibitor as set forth in claim 40 wherein the second active ingredient is present in an amount of at least about 0.0005 millimoles per gram of non-absorbent substrate.
- 46. The exoprotein inhibitor as set forth in claim 40 wherein the second active ingredient is present in an amount from about 0.005 millimoles per gram of non-absorbent substrate to about 0.2 millimoles per gram of non-absorbent substrate.
- 47. The exoprotein inhibitor as set forth in claim 40 further comprising a pharmaceutically active material selected from the group consisting of antimicrobials, antioxidants, anti-parasitic agents, antipruritics, astringents, local anaesthetics and anti-inflammatory agents.
- 48. The exoprotein inhibitor as set forth in claim 1 further comprising an effective amount of a second active ingredient having the general formula:

$$R^{20} \xrightarrow{\qquad \qquad N} R^{22}$$

wherein R²⁰ is an alkyl group having from about 8 to about 18 carbon atoms and R²¹ and R²² are independently selected from the group consisting of hydrogen and alkyl groups having from 1 to about 18 carbon atoms and which can have one or more substitutional moieties selected from the group consisting of hydroxyl, carboxyl, carboxyl salts and imidazoline wherein the second active ingredient is effective in substantially inhibiting the production of exoprotein from Gram positive bacteria.

- 49. The exoprotein inhibitor article as set forth in claim 48 wherein R²² comprises a carboxyl salt, the carboxyl salt having a cationic moiety selected from the group consisting of sodium, potassium and combinations thereof.
- 50. The exoprotein inhibitor as set forth in claim 48 wherein R^{22} comprises an amine selected from the group consisting of lauramine, lauramino, propionic acid, sodium lauriminodipropionic acid, lauryl hydroxyethyl imidazoline and mixtures thereof.
- 51. The exoprotein inhibitor as set forth in claim 48 wherein the second active ingredient is present in an amount of at least about 0.0001 millimoles per gram of non-absorbent substrate.
- 52. The exoprotein inhibitor as set forth in claim 48 wherein the second active ingredient is present in an amount of at least about 0.005 millimoles per gram of non-absorbent substrate.
- 53. The exoprotein inhibitor as set forth in claim 48 wherein the second active ingredient is present in an amount from about 0.005 millimoles per gram of non-absorbent

substrate to about 0.2 millimoles per gram of non-absorbent substrate.

- 54. The exoprotein inhibitor as set forth in claim 48 further comprising a pharmaceutically active material selected from the group consisting of antimicrobials, antioxidants, anti-parasitic agents, antipruritics, astringents, local anaesthetics and anti-inflammatory agents.
- 55. The exoprotein inhibitor as set forth in claim 1 further comprising an effective amount of a second active ingredient having the general formula:

$$R^{23}$$
 N^{+} R^{25} R^{26}

wherein R²³ is an alkyl group having from 8 to about 18 carbon atoms and R²⁴, R²⁵, and R²⁶ are independently selected from the group consisting of hydrogen and alkyl group having from 1 to about 18 carbon atoms and which can have one or more substitutional moieties selected from the group consisting of hydroxyl, carboxyl, carboxyl salts, and imidazoline wherein the second active ingredient is effective in substantially inhibiting the production of exoprotein from Gram positive bacteria.

- 56. The exoprotein inhibitor as set forth in claim 55 wherein the second active ingredient is triethanolamide laureth sulfate.
- 57. The exoprotein inhibitor as set forth in claim 55 wherein the second active ingredient is present in an amount of at least about 0.0001 millimoles per gram of non-absorbent substrate.

- 58. The exoprotein inhibitor as set forth in claim 55 wherein the second active ingredient is present in an amount of at least about 0.005 millimoles per gram of non-absorbent substrate.
- 59. The exoprotein inhibitor as set forth in claim 55 wherein the second active ingredient is present in an amount from about 0.005 millimoles per gram of non-absorbent substrate to about 0.2 millimoles per gram of non-absorbent substrate.
- 60. The exoprotein inhibitor as set forth in claim 55 further comprising a pharmaceutically active material selected from the group consisting of antimicrobials, antioxidants, anti-parasitic agents, antipruritics, astringents, local anaesthetics and anti-inflammatory agents.